

Drinking Water Quality Summary - May 2022

Shoalhaven Water provides safe and reliable drinking water to approximately 100,000 people in the Shoalhaven on a daily basis. The drinking water we supply is routinely tested throughout our water supply systems with analysis undertaken at independent NATA certified laboratories as per the 2011 Australian Drinking Water Guidelines (ADWG). This detailed water quality monitoring forms part of Shoalhaven Water's framework for the management of drinking water quality. Results are based on samples representative of water supplied to customers' taps. Results for microbiological and key physical/chemical parameters are summarised in the following:

Analyte	ADWG Guideline Health	ADWG Guideline Aesthetic	<	>	Units	Whole of Shoalhaven		Northern Shoalhaven Supply System (Bamarang)		Kangaroo Valley Supply System		Southern Shoalhaven Supply System		Flat Rock Supply System	
						Monthly Average	Monthly Compliance	Monthly Average	Monthly Compliance	Monthly Average	Monthly Compliance	Monthly Average	Monthly Compliance	Monthly Average	Monthly Compliance
<i>E. coli</i>	0	c		>0	MPN/100mL	0	100%	0	100%	0	100%	0	100%	0	100%
Aluminium	c	0.2		>0.2	mg/L	0.0700	100%	0.0700	100%	-	-	0.0900	100%	0.0500	100%
Arsenic	c	0.01		>0.01	mg/L	0.0008	100%	0.0010	100%	-	-	0.0005	100%	0.0010	100%
Cadmium	0.002	c		>0.002	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	0.0001	100%
Calcium	10000	c		>10000	mg/L	20.4667	100%	19.8000	100%	-	-	21.0000	100%	20.6000	100%
Free Chlorine	5	0.2	<0.2	>5	mg/L	0.8809	95.6%	0.8442	98%	1.0375	75.0%	0.8894	94%	1.0440	100%
Copper	2	1		>2	mg/L	0.0123	100%	0.0073	100%	0.0500	100%	0.0020	100%	0.0195	100%
Fluoride	1.5	c		>1.5	mg/L	0.9100	100%	1.0467	100%	0.9100	100%	1.0950	100%	1.0425	100%
Hardness	c	200		>200	mg/L	63.5333	100%	63.7000	100%	-	-	61.8000	100%	65.1000	100%
Iron	c	0.3		>0.3	mg/L	0.0259	100%	0.0267	100%	0.0250	100%	0.0225	100%	0.0263	100%
Lead	0.01	c		>0.01	mg/L	0.0002	100%	0.0002	100%	81.0000	-	0.0001	100%	0.0003	100%
Magnesium	10000	c		>10000	mg/L	3.0200	100%	3.4700	100%	-	-	2.2700	100%	3.3200	100%
Manganese	0.5	0.1		>0.5	mg/L	0.0103	100%	0.0109	100%	0.0070	100%	0.0084	100%	0.0107	100%
Mercury	0.001	c		>0.001	mg/L	0.0004	100%	0.0004	100%	-	-	0.0004	100%	0.0004	100%
Nickel	0.02	c		>0.02	mg/L	0.0004	100%	0.0005	100%	-	-	0.0002	100%	0.0004	100%
Nitrate (as NO ₃)	50	c		>50	mg/L	0.1356	100%	0.0933	100%	0.1500	100%	0.2650	100%	0.1625	100%
Nitrite (as NO ₂)	3	c		>3	mg/L	0.0134	100%	0.0100	100%	0.0050	100%	0.0275	100%	0.0163	100%
pH	c	6.5-8.5	<6.5	>8.5	pH units	7.7869	100%	7.7926	100%	7.8525	100%	7.7840	100%	7.6940	100%
Selenium	0.01	c		>0.01	mg/L	0.0035	100%	0.0035	100%	-	-	0.0035	100%	0.0035	100%
Silver	0.1	c		>0.1	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	0.0001	100%
Sodium	c	180		>180	mg/L	9.3333	100%	10.0000	100%	-	-	8.0000	100%	10.0000	100%
Sulfate	500	250		>500	mg/L	17.3333	100%	20.0000	100%	-	-	13.0000	100%	19.0000	100%
TDS ²	c	600		>600	mg/L	109.2500	100%	115.2222	100%	#REF!	100%	99.5000	100%	107.7500	100%
True Colour	c	15		>15	HU	1.0000	100%	1.0000	100%	-	-	1.0000	100%	1.0000	100%
Turbidity	c	5		>5	NTU	0.1210	100%	0.1291	100%	0.0000	100%	0.1175	100%	0.1600	100%
Uranium	0.017	c		>0.017	mg/L	0.0001	100%	0.0001	100%	-	-	0.0001	100%	0.0001	100%
Zinc	c	3		>3	mg/L	0.0133	100%	0.0100	100%	-	-	0.0100	100%	0.0200	100%

¹ Note that the Australian Drinking Water Guidelines (ADWG) specifies water quality standards that are considered safe for people to drink over an entire lifetime. Therefore compliance is based on a statistical measure of results rather than absolute figures.

² TDS = Total Dissolved Solids

³ Corrective action taken for *E. coli* exception and the repeat test result was compliant (all clear). Contact Shoalhaven Water for further information.

- Denotes that this analyte was not tested this month due to either the treatment plant being offline or the required frequency resulted in no sample required for this month.

c Health or Aesthetic limits have not been set by the ADWG.

+ Inadvertent omission

Australian Drinking Water Guidelines 2011:

<http://www.nhmrc.gov.au/guidelines/publications/eh52>